

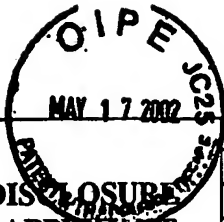
Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			<i>Complete If Known</i>		
			Application Number	10/035,633	
			Filing Date	12/28/2001	
			First Named Inventor	Eldridge et al.	
			Group Art Unit	2841	
Examiner Name	Unknown <i>CARL Arbes</i>				
Sheet	1	of	2	Attorney Docket No.	P3C1-US

U.S. PATENT DOCUMENTS						
Examiner Initials [*]	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant	Publication Date	Relevant Portions
		Number	Kind Code ²			
<i>QA</i>	1	3,389,457		Goldman et al.	6/25/1968	
<i>QA</i>	2	3,519,890		Ashby	7/7/1970	
<i>CJA</i>	3	3,662,454		Miller	5/16/72	
<i>QA</i>	4	3,842,189		Southgate	10/15/1974	
<i>QA</i>	5	4,137,867		Aigo	2/6/79	
<i>QA</i>	6	4,194,957		Lipschutz	3/25/80	
<i>QA</i>	7	4,217,183		Melcher et al.	8/12/80	
<i>QA</i>	8	4,295,700		Sado	10/20/1981	
<i>QA</i>	9	4,304,641		Grandia et al.	12/8/81	
<i>QA</i>	10	4,397,086		Bickos et al.	8/9/83	
<i>QA</i>	11	4,418,857		Ainslie et al.	12/6/1983	
<i>QA</i>	12	4,486,945		Aigoo	12/11/1984	
<i>QA</i>	13	4,667,219		Lee et al.	5/19/1987	
<i>QA</i>	14	4,732,313		Kobayashi et al.	3/22/1988	
<i>QA</i>	15	4,751,199		Phy	6/14/1988	
<i>QA</i>	16	4,793,814		Zifcak et al.	12/27/1988	
<i>QA</i>	17	5,067,007		Kanji et al	11/19/1991	
<i>QA</i>	18	5,098,305		Krajewski et al	3/24/1992	
<i>QA</i>	19	5,110,032		Akiyama et al.	5/5/1992	
<i>QA</i>	20	5,177,438		Littlebury et al.	1/5/93	
<i>QA</i>	21	5,187,020		Kwon et al.	2/16/93	
<i>QA</i>	22	5,195,237		Cray et al.	3/23/1993	
<i>QA</i>	23	5,230,632		Baumberger et al.	7/27/1993	
<i>QA</i>	24	5,240,588		Uchida	8/31/1993	
<i>QA</i>	25	5,304,534		Ciszek	4/19/94	
<i>QA</i>	26	5,317,479		Pai et al.	5/31/1994	
<i>QA</i>	27	5,373,627		Grebe	12/20/94	
<i>QA</i>	28	5,391,521		Kim	2/21/95	
<i>QA</i>	29	5,476,211		Khandros	12/19/95	
<i>QA</i>	30	5,476,818		Yanof et al.	12/19/95	
<i>QA</i>	31	5,495,667		Farnworth et al.	3/5/96	
<i>QA</i>	32	5,580,607		Takekuma et al.	12/3/96	
<i>QA</i>	33	5,611,696		Donner et al.	3/18/1997	
<i>QA</i>	34	5,847,445		Wark et al.	12/8/98	

Examiner Signature	<i>C. J. Arbes</i>	Date Considered	<i>4/25/05</i>
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			Group Art Unit	2841	
Examiner Name	Unknown <i>CALL Arbes</i>				
Sheet	2	of	2	Attorney Docket No.	P3C1-US

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant	Publication Date	Relevant Portions	T ²
		Office ³	Number ⁴	Kind Code ⁵				
<i>C/R</i>	35	FR	2680284		Christian	2/12/1993		
<i>C/R</i>	36	JP	4240570		Naoaki	8/27/92		
<i>C/R</i>	37	JP	5218156		Ryuichi	8/27/93		
<i>C/R</i>	38	JP	6018555		Tetsuo	1/25/94		
<i>C/R</i>	39	JP	7072172		HiroYuki	3/17/95		
<i>C/R</i>	40	JP	55113897		Masayuki	9/2/1980		
<i>C/R</i>	41	JP	57017141		Kenichi	1/28/1982		
<i>C/R</i>	42	JP	57084144		Akinori	5/26/1982		
<i>C/R</i>	43	JP	58218131		Masanari	12/19/1983		
<i>C/R</i>	44	JP	61244057		Kato	10/30/1986		

OTHER PRIOR ART - NONPATENT LITERATURE DOCUMENTS			
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
<i>cya</i>	45	Duane W. ENDICOTT and John R. KNAPP, Jr. "Electrodeposition of Nickel-Cobalt Alloy: Operating Variables And Physical Properties Of The Deposits" (January 1966), pp. 43-60, (Plating).	
<i>cya</i>	46	Shih, D.-Y et al., "A Novel Elastomeric Connector for Packaging Interconnections, Testing and Burn-in Applications", IEEE, Proceedings of the Electronic Components and Technology Conference, Las Vegas, NV, May 21, 1995.	
<i>qM</i>	47	Weast, Handbook of Chemistry and Physics, CRC Press, Cleveland, OH, pp.D171-172, (1975-1976).	

Examiner Signature	<i>C. J. Arbes</i>	Date Considered	4/25/05
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Application Number	10/035,633
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First Named Inventor	Eldridge et al.
Group Art Unit	2841 3729
Examiner Name	Unknown Arbes
Attorney Docket No.	P3C1-US

Sheet 1 of 2

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CA	1	3271851		Hays	9/1996	
CA	2	3753665		McCary et al.	8/1973	
CA	3	3844909		McCary et al.	10/1974	
CA	4	4659437		Shiba et al.	4/1987	
CA	5	4764848		Simpson	8/1988	
CA	6	4893172		Matsumoto et al.	1/1990	
CA	7	4955523		Carlomagno et al.	9/1990	
CA	8	4998885		Beaman	3/1991	
CA	9	5037023		Akiyama et al.	8/1991	
CA	10	5045975		Cray et al.	9/1991	
CA	11	5189507		Carlomagno et al.	2/1993	
CA	12	5210939		Malik et al.	5/1993	
CA	13	5294039		Pai et al.	3/1994	
CA	14	5309324		Herandez et al.	5/1994	
CA	15	5455390		DiStefano et al.	10/1992	
CA	16	5476211		Khandros	12/1992	
CA	17	5518939		DiStefano et al.	5/1993	
CA	18	5601740		Eldridge et al.	2/1997	
CA	19	5608966		Donner et al.	3/1997	
CA	20	5665654		Stansbury	9/1997	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵				
CA	21	DE	2354256		Storch	10/1973		
CA	22	DE	2540321		Schroder et al.	9/1975		
CA	23	DE	2618867		Kotal et al.	4/1976		
CA	24	DE	2652077		Schoder et al.	5/1978		
CA	25	DE	3129568		Honda et al.	4/1982		
CA	26	DE	3704200		OKstainer	8/1988		

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Sheet 2 of 3

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CJA	27	DE	3709222		Sellner et al	9/1988
CJA	28	DE	3744099		Greiner	2/1989
CJA	29	DE	4232745		Blasch et al	3/1994
CJA	30	EP	0 002 166		Hammer et al	5/1979
CJA	31	EP	0 205 190		Itah et al	12/1986
CJA	32	EP	0 396248		Nakamura et al	11/1990
CJA	33	EP	0432361		Bartelink	6/1991
CJA	34	EP	0500074		Dahya	8/1992
CJA	35	EP	0528367		Mizukoshi	2/1993
CJA	36	EP	0593966		Beckman et al	4/1994
CJA	37	EP	0610631		Crafts et al	8/1994
CJA	38	EP	0642163		marion et al	3/1995
CJA	39	FR	2 622 741		Do H YA et al	5/1989
CJA	40	FR	2643753		Blanchard et al	8/1990
CJA	41	JP	56021354		Hayashi et al	2/1981
CJA	42	JP	57012543		Hisashi	1/1982
CJA	43	JP	60097655		Okamoto	11/1983
CJA	44	JP	59155161		Yorita	9/1984
CJA	45	JP	59211253		Nose et al	11/1984
CJA	46	JP	60236252		Shiga et al	11/1985
CJA	47	JP	61051838		Kawaji	3/1986
CJA	48	JP	61160958		Sato et al	7/1986
CJA	49	JP	61170054		Kameda	7/1986
CJA	50	JP	61287254		Komabayashi et al	12/1986
CJA	51	JP	61291991		Inetani et al	12/1986
CJA	52	JP	62097360		Mori et al	5/1987
CJA	53	JP	62105459		Ozaki et al	5/1987
CJA	54	JP	62113457		Shiratori	5/1987
CJA	55	JP	62120057		Tanigawa et al	6/1987
CJA	56	JP	02034949		Bessho et al	2/1990
CJA	57	JP	02183538		Asahina	7/1990
CJA	58	JP	3142847		Ishida	6/1991
CJA	59	JP	05259334		Sasaki	10/1993

Examiner Signature	C. J. Arbes	Date Considered	4/15/05
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Cja	60	"Method of Testing Chips and Joining Chips to Substrates" Research Disclosure, No. 322, p.130, February 1991.	
ga	61	"Bitmetal VLSI Chip Interconnections" IBM Technical Disclosure Bulletin, Vol.29, No. 11, pp. 5021-5022, April 1987.	
ga	62	"Method for Large Board Engineering Changes and Repair", IBM Technical Disclosure Bulletin, Vol.37, No. 02B, pp. 583-585, February 1994.	
Cja	63	"Engineering Change Interposer" IBM Technical Disclosure Bulletin, Vol.37, No. 9, p.157, September 1994.	
Cja	64	Ensworth, G.B., "Method of Testing Chips and Joining Chips to Substrates, 2244 Research Disclosure, No. 322, February 1991.	
ga	65	"Bare-Chip-Attachment Method Spread I/O, Permits Pre-testing", 2328 Electronic Design, Vol.39, No. 10, May 23, 1991.	
Cja	66	IBM Technical Disclosure Bulletin, Vol. 29, No. 8, p.3754, January 1987.	

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